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SEQUENCE LISTING

<110> ZGene A/S
 Gojkovic, Zoran

<120> Yellow fever mosquito deoxyribonucleoside kinase and its use

<130> 519-204-WO

<150> DK PA 2003 01067

<151> 2003-07-11

<160> 6

<170> PatentIn version 3.1

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<212> DNA

<213> Aedes aegypti

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ccc ttc act gtt ttc att gag gga aac atc ggc agc gga aag acc aca	96
Pro Phe Thr Val Phe Ile Glu Gly Asn Ile Gly Ser Gly Lys Thr Thr	
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ttc ctg aac cac ttc gag aaa ttc aag gat agg gtt tgt ctg ctg acg	144
Phe Leu Asn His Phe Glu Lys Phe Lys Asp Arg Val Cys Leu Leu Thr	
35 40 45	
gaa cct gtg gaa aag tgg cgg gac tgc ggg gga gtc aat ctg ctg gat	192
Glu Pro Val Glu Lys Trp Arg Asp Cys Gly Gly Val Asn Leu Leu Asp	
50 55 60	
cta atg tac aag gaa ccg cac cgt tgg gcg atg ccg ttc cag acc tac	240
Leu Met Tyr Lys Glu Pro His Arg Trp Ala Met Pro Phe Gln Thr Tyr	
65 70 75 80	
gtt act ttg acg atg ctc aac atg cat act tat caa acg gat aaa agc	288
Val Thr Leu Thr Met Leu Asn Met His Thr Tyr Gln Thr Asp Lys Ser	
85 90 95	

gtg aag ctc atg gaa cgg tcc atg ttc agt gcc aga tat tgt ttc gtg 336
 Val Lys Leu Met Glu Arg Ser Met Phe Ser Ala Arg Tyr Cys Phe Val
 100 105 110

gaa aac atg ctc gcg tct ggt agc tta cat cag gga atg tac aat att 384
 Glu Asn Met Leu Ala Ser Gly Ser Leu His Gln Gly Met Tyr Asn Ile
 115 120 125

cta caa gag tgg tat gag ttc atc cat gcc aat ata cac att caa gca 432
 Leu Gln Glu Trp Tyr Glu Phe Ile His Ala Asn Ile His Ile Gln Ala
 130 135 140

gat ttg ata gtt tat tta cga act agt ccg gaa atc gtt tat gag cga 480
 Asp Leu Ile Val Tyr Leu Arg Thr Ser Pro Glu Ile Val Tyr Glu Arg
 145 150 155 160

atg aaa aag cgc gca aga tcg gaa gaa agt tgc gtt ccg tta aaa tat 528
 Met Lys Lys Arg Ala Arg Ser Glu Glu Ser Cys Val Pro Leu Lys Tyr
 165 170 175

cta caa gaa cta cac gag ctg cat gaa aac tgg cta atc cac gga act 576
 Leu Gln Glu Leu His Glu Leu His Glu Asn Trp Leu Ile His Gly Thr
 180 185 190

ttc ccg aga gta gcc ccg gtc ctc gtt ttg gat gca gac tta gac ttg 624
 Phe Pro Arg Val Ala Pro Val Leu Val Leu Asp Ala Asp Leu Asp Leu
 195 200 205

cac aac atc agc tca gaa tac aag cga tcc gaa acc agc att ctc aag 672
 His Asn Ile Ser Ser Glu Tyr Lys Arg Ser Glu Thr Ser Ile Leu Lys
 210 215 220

cct att ctc ata gat aat acc aac cag cat ccc att ctt gca tca ccc 720
 Pro Ile Leu Ile Asp Asn Thr Asn Gln His Pro Ile Leu Ala Ser Pro
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agc aaa cga tcg aga act gaa ttc taa 747
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<212> PRT

<213> Aedes aegypti

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Met Ala Ala Ala Ile Gly Pro Glu Arg Leu Gly Val Ala Gly Lys Lys
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Pro Phe Thr Val Phe Ile Glu Gly Asn Ile Gly Ser Gly Lys Thr Thr
 20 25 30

Phe Leu Asn His Phe Glu Lys Phe Lys Asp Arg Val Cys Leu Leu Thr
 35 40 45

3

Glu Pro Val Glu Lys Trp Arg Asp Cys Gly Gly Val Asn Leu Leu Asp
 50 55 60
 Leu Met Tyr Lys Glu Pro His Arg Trp Ala Met Pro Phe Gln Thr Tyr
 65 70 75 80
 Val Thr Leu Thr Met Leu Asn Met His Thr Tyr Gln Thr Asp Lys Ser
 85 90 95
 Val Lys Leu Met Glu Arg Ser Met Phe Ser Ala Arg Tyr Cys Phe Val
 100 105 110
 Glu Asn Met Leu Ala Ser Gly Ser Leu His Gln Gly Met Tyr Asn Ile
 115 120 125
 Leu Gln Glu Trp Tyr Glu Phe Ile His Ala Asn Ile His Ile Gln Ala
 130 135 140
 Asp Leu Ile Val Tyr Leu Arg Thr Ser Pro Glu Ile Val Tyr Glu Arg
 145 150 155 160
 Met Lys Lys Arg Ala Arg Ser Glu Glu Ser Cys Val Pro Leu Lys Tyr
 165 170 175
 Leu Gln Glu Leu His Glu Leu His Glu Asn Trp Leu Ile His Gly Thr
 180 185 190
 Phe Pro Arg Val Ala Pro Val Leu Val Leu Asp Ala Asp Leu Asp Leu
 195 200 205
 His Asn Ile Ser Ser Glu Tyr Lys Arg Ser Glu Thr Ser Ile Leu Lys
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